

## LISTING OF THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claim in the application:

1-110 (canceled).

111 (currently amended). An infusion set comprising: a needle housing having a proximal port, a distal port and a base surface; a mounting pad coupled to the base surface of the needle housing and having a transverse hole; and a transcutaneous cannula having a proximal end connected to the distal port of the needle housing and a distal end that is adapted to be fed through the transverse hole; wherein the transcutaneous cannula comprises: ~~an inner-silicon~~ a tube having an outer wall and an inner wall, and an outer photocatalytic layer attached to the outer wall of the ~~silicon~~ tube.

112(New). The infusion set of claim 111 wherein the photocatalytic layer comprises a semiconductor oxide.

113 (New). The infusion set of claim 112, wherein the semiconductor oxide comprises titania.

114.(New) The infusion set of claim 113, wherein at least the outer surface of the titania is doped.

115 (New) The infusion set of claim 114, wherein the dopant comprises an ion-implanted metal.

116 (New) The infusion set of claim 115, wherein the metal is selected from the group consisting of vanadium and chromium.

117. The infusion set of claim 114, wherein the dopant comprises nitrogen.

118(New) The infusion set of claim 114, wherein the dopant is selected from the group consisting of  $\text{Nd}^{+3}$ ,  $\text{Pd}^{+2}$ ,  $\text{Pt}^{+4}$  and  $\text{Fe}^{+3}$ .

119(New) The infusion set of claim 111, further comprising an inner photocatalytic layer attached to the inner wall of the tube.

120 (New) The infusion set of claim 111, wherein the tube comprises silicone.